# Angelika MÃ¼hlebner

List of Publications by Year
in descending order



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|---|---|---|---|
| 75 papers | 3,177 citations | 201674 27 h-index | 168389 53 g-index |
| 77 all docs | 77 docs citations | 77 times ranked | 3477 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Genetic pathogenesis of the epileptogenic lesions in Tuberous Sclerosis Complex: Therapeutic targeting of the mTOR pathway. Epilepsy and Behavior, 2022, 131, 107713. | 1.7 | 10 |
| 2 | Distinct DNA Methylation Patterns of Subependymal Giant Cell Astrocytomas in Tuberous Sclerosis Complex. Cellular and Molecular Neurobiology, 2022, 42, 2863-2892. | 3.3 | 1 |
| 3 | DNA methylation-based classification of malformations of cortical development in the human brain. Acta Neuropathologica, 2022, 143, 93-104. | 7.7 | 18 |
| 4 | Down-regulation of the brain-specific cell-adhesion molecule contactin-3 in tuberous sclerosis complex during the early postnatal period. Journal of Neurodevelopmental Disorders, 2022, 14, 8. | 3.1 | 4 |
| 5 | Increased expression of complement components in tuberous sclerosis complex and focal cortical dysplasia type 2B brain lesions. Epilepsia, 2022, 63, 364-374. | 5.1 | 10 |
| 6 | Oligosarcomas, IDH-mutant are distinct and aggressive. Acta Neuropathologica, 2022, 143, 263-281. | 7.7 | 18 |
| 7 | Unexpected Effect of IL-1Î² on the Function of GABAA Receptors in Pediatric Focal Cortical Dysplasia. Brain Sciences, 2022, 12, 807. | 2.3 | 5 |
| 8 | Upregulation of the pathogenic transcription factor SPI1/PU.1 in tuberous sclerosis complex and focal cortical dysplasia by oxidative stress. Brain Pathology, 2021, 31, e12949. | 4.1 | 11 |
| 9 | Toward a better definition of focal cortical dysplasia: An iterative histopathological and genetic agreement trial. Epilepsia, 2021, 62, 1416-1428. | 5.1 | 54 |
| 10 | Balloon cells promote immune system activation in focal cortical dysplasia type 2b. Neuropathology and Applied Neurobiology, 2021, 47, 826-839. | 3.2 | 14 |
| 11 | MicroRNAâ€34a activation in tuberous sclerosis complex during early brain development may lead to impaired corticogenesis. Neuropathology and Applied Neurobiology, 2021, 47, 796-811. | 3.2 | 5 |
| 12 | Impaired myelin production due to an intrinsic failure of oligodendrocytes in mTORpathies. Neuropathology and Applied Neurobiology, 2021, 47, 812-825. | 3.2 | 13 |
| 13 | Seizure-mediated iron accumulation and dysregulated iron metabolism after status epilepticus and in temporal lobe epilepsy. Acta Neuropathologica, 2021, 142, 729-759. | 7.7 | 31 |
| 14 | Neurite Outgrowth Inhibitor (NogoA) Is Upregulated in White Matter Lesions of Complex Cortical Malformations. Journal of Neuropathology and Experimental Neurology, 2021, 80, 274-282. | 1.7 | 0 |
| 15 | The coding and non-coding transcriptional landscape of subependymal giant cell astrocytomas. Brain, 2020, 143, 131-149. | 7.6 | 24 |
| 16 | Myelin Pathology Beyond White Matter in Tuberous Sclerosis Complex (TSC) Cortical Tubers. Journal of Neuropathology and Experimental Neurology, 2020, 79, 1054-1064. | 1.7 | 21 |
| 17 | Mosaic trisomy of chromosome 1q in human brain tissue associates with unilateral polymicrogyria, very early-onset focal epilepsy, and severe developmental delay. Acta Neuropathologica, 2020, 140, 881-891. | 7.7 | 28 |
| 18 | Tuberous Sclerosis Complex as Disease Model for Investigating mTOR-Related Gliopathy During Epileptogenesis. Frontiers in Neurology, 2020, 11, 1028. | 2.4 | 25 |

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|---|---|---|---|
| 19 | Reduced expression of the glucocorticoid receptor in the hippocampus of patients with drugâ€resistant temporal lobe epilepsy and comorbid depression. Epilepsia, 2020, 61, 1595-1605. | 5.1 | 22 |
| 20 | Seizure outcome and use of antiepileptic drugs after epilepsy surgery according to histopathological diagnosis: a retrospective multicentre cohort study. Lancet Neurology, The, 2020, 19, 748-757. | 10.2 | 177 |
| 21 | Dysregulation of the MMP/TIMP Proteolytic System in Subependymal Giant Cell Astrocytomas in Patients With Tuberous Sclerosis Complex: Modulation of MMP by MicroRNA-320d In Vitro. Journal of Neuropathology and Experimental Neurology, 2020, 79, 777-790. | 1.7 | 12 |
| 22 | Same same but different: A Webâ€based deep learning application revealed classifying features for the histopathologic distinction of cortical malformations. Epilepsia, 2020, 61, 421-432. | 5.1 | 17 |
| 23 | Review: Challenges in the histopathological classification of ganglioglioma and DNT: microscopic agreement studies and a preliminary genotypeâ€phenotype analysis. Neuropathology and Applied Neurobiology, 2019, 45, 95-107. | 3.2 | 46 |
| 24 | Response to â€œIs <scp>ACTH</scp> therapy loaded with severe sideâ€effects? Do not use synthetic <scp>ACTH</scp> with the same dosages as â€˜naturalâ€™ <scp>ACTH</scp>â€•. Epilepsia, 2019, 60, 1483-1484. | 5.1 | 0 |
| 25 | In response: The equivalence of the ketogenic diet and adrenocorticotropic hormone for treatment of infantile spasms: More suggestion than conclusion. Epilepsia, 2019, 60, 2146-2147. | 5.1 | 0 |
| 26 | Cognitive functioning after epilepsy surgery in children with mild malformation of cortical development and focal cortical dysplasia. Epilepsy and Behavior, 2019, 94, 209-215. | 1.7 | 21 |
| 27 | Genomic <scp>DNA</scp> methylation distinguishes subtypes of human focal cortical dysplasia. Epilepsia, 2019, 60, 1091-1103. | 5.1 | 61 |
| 28 | 2017 WONOEP appraisal: Studying epilepsy as a network disease using systems biology approaches. Epilepsia, 2019, 60, 1045-1053. | 5.1 | 12 |
| 29 | New insights into a spectrum of developmental malformations related to <scp>mTOR</scp> dysregulations: challenges and perspectives. Journal of Anatomy, 2019, 235, 521-542. | 1.5 | 63 |
| 30 | Longâ€term seizure outcome after epilepsy surgery in patients with mild malformation of cortical development and focal cortical dysplasia. Epilepsia Open, 2019, 4, 170-175. | 2.4 | 17 |
| 31 | Efficacy and tolerability of the ketogenic diet versus highâ€dose adrenocorticotropic hormone for infantile spasms: A singleâ€center parallelâ€cohort randomized controlled trial. Epilepsia, 2019, 60, 441-451. | 5.1 | 79 |
| 32 | Changes in vascular density in resected tissue of 97 patients with mild malformation of cortical development, focal cortical dysplasia or TSCâ€related cortical tubers. International Journal of Developmental Neuroscience, 2019, 79, 96-104. | 1.6 | 5 |
| 33 | Single stage epilepsy surgery in children and adolescents with focal cortical dysplasia type II â€“ Prognostic value of the intraoperative electrocorticogram. Clinical Neurophysiology, 2019, 130, 20-24. | 1.5 | 5 |
| 34 | Oxidative stress and inflammation in a spectrum of epileptogenic cortical malformations: molecular insights into their interdependence. Brain Pathology, 2019, 29, 351-365. | 4.1 | 54 |
| 35 | Pathophysiology of neurodevelopmental mTOR pathway-associated epileptic conditions: Current status of biomedical research. , 2019, 38, 210-224. | | 6 |
| 36 | Ketogenic parenteral nutrition in 17 pediatric patients with epilepsy. Epilepsia Open, 2018, 3, 30-39. | 2.4 | 22 |

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|---|---|---|---|
| 37 | Neuropathology of epilepsy. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 145, 193-216. | 1.8 | 57 |
| 38 | Epilepsy surgery in infants. Wiener Klinische Wochenschrift, 2018, 130, 341-348. | 1.9 | 10 |
| 39 | MicroRNA519d and microRNA4758 can identify gangliogliomas from dysembryoplastic neuroepithelial tumours and astrocytomas. Oncotarget, 2018, 9, 28103-28115. | 1.8 | 5 |
| 40 | Mild Malformation of Cortical Development with Oligodendroglial Hyperplasia in Frontal Lobe Epilepsy: A New Clinicoâ€Pathological Entity. Brain Pathology, 2017, 27, 26-35. | 4.1 | 81 |
| 41 | Histopathological Findings in Brain Tissue Obtained during Epilepsy Surgery. New England Journal of Medicine, 2017, 377, 1648-1656. | 27.0 | 621 |
| 42 | Coding and small non-coding transcriptional landscape of tuberous sclerosis complex cortical tubers: implications for pathophysiology and treatment. Scientific Reports, 2017, 7, 8089. | 3.3 | 47 |
| 43 | Increased expression of (immuno)proteasome subunits during epileptogenesis is attenuated by inhibition of the mammalian target of rapamycin pathway. Epilepsia, 2017, 58, 1462-1472. | 5.1 | 18 |
| 44 | Impaired oligodendroglial turnover is associated with myelin pathology in focal cortical dysplasia and tuberous sclerosis complex. Brain Pathology, 2017, 27, 770-780. | 4.1 | 51 |
| 45 | Immediate termination of electrical status epilepticus in sleep after hemispherotomy is associated with significant progress in language development. Developmental Medicine and Child Neurology, 2017, 59, 89-97. | 2.1 | 19 |
| 46 | Subependymal giant cell astrocytomas in Tuberous Sclerosis Complex have consistent TSC1/TSC2 biallelic inactivation, and no BRAF mutations. Oncotarget, 2017, 8, 95516-95529. | 1.8 | 49 |
| 47 | Characterization of Pathology. , 2017, , 139-160. | | 5 |
| 48 | Expression of microRNAs miR21, miR146a, and miR155 in tuberous sclerosis complex cortical tubers and their regulation in human astrocytes and SEGAâ€derived cell cultures. Glia, 2016, 64, 1066-1082. | 4.9 | 51 |
| 49 | Efficacy and safety of Everolimus in children with TSC - associated epilepsy â€“ Pilot data from an open single-center prospective study. Orphanet Journal of Rare Diseases, 2016, 11, 145. | 2.7 | 47 |
| 50 | Dysregulation of the (immuno)proteasome pathway in malformations of cortical development. Journal of Neuroinflammation, 2016, 13, 202. | 7.2 | 21 |
| 51 | Presurgical evaluation of pediatric epilepsy patients prior to hemispherotomy: the prognostic value of 18F-FDG PET. Journal of Neurosurgery: Pediatrics, 2016, 18, 683-688. | 1.3 | 9 |
| 52 | Functional aspects of early brain development are preserved in tuberous sclerosis complex (TSC) epileptogenic lesions. Neurobiology of Disease, 2016, 95, 93-101. | 4.4 | 50 |
| 53 | Low-grade epilepsy-associated neuroepithelial tumours â€” the 2016 WHO classification. Nature Reviews Neurology, 2016, 12, 732-740. | 10.1 | 113 |
| 54 | Specific pattern of maturation and differentiation in the formation of cortical tubers in tuberous sclerosis complex (TSC): evidence from layer-specific marker expression. Journal of Neurodevelopmental Disorders, 2016, 8, 9. | 3.1 | 23 |

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|---|---|---|---|
| 55 | Promoter-Specific Hypomethylation Correlates with IL-1Î² Overexpression in Tuberous Sclerosis Complex (TSC). Journal of Molecular Neuroscience, 2016, 59, 464-470. | 2.3 | 23 |
| 56 | Childhood onset temporal lobe epilepsy: Beyond hippocampal sclerosis. European Journal of Paediatric Neurology, 2016, 20, 228-235. | 1.6 | 7 |
| 57 | Novel Histopathological Patterns in Cortical Tubers of Epilepsy Surgery Patients with Tuberous Sclerosis Complex. PLoS ONE, 2016, 11, e0157396. | 2.5 | 69 |
| 58 | Improvement of language development after successful hemispherotomy. Seizure: the Journal of the British Epilepsy Association, 2015, 30, 70-75. | 2.0 | 23 |
| 59 | OP52 â€“ 2694: The ketogenic diet versus ACTH in the treatment of infantile spasms: A prospective randomised study. European Journal of Paediatric Neurology, 2015, 19, S17. | 1.6 | 1 |
| 60 | OP57 â€“ 2589: Temporal lobe epilepsy in children: Beyond hippocampal sclerosis. European Journal of Paediatric Neurology, 2015, 19, S18-S19. | 1.6 | 0 |
| 61 | The ketogenic diet in infants â€“ Advantages of early use. Epilepsy Research, 2015, 116, 53-58. | 1.6 | 98 |
| 62 | Tuberous Sclerosis Complex: new criteria for diagnostic work-up and management. Wiener Klinische Wochenschrift, 2015, 127, 619-630. | 1.9 | 25 |
| 63 | Efficacy and tolerability of the ketogenic diet in Dravet syndrome â€“ Comparison with various standard antiepileptic drug regimen. Epilepsy Research, 2015, 109, 81-89. | 1.6 | 100 |
| 64 | 7<scp>T MRI</scp> features in control human hippocampus and hippocampal sclerosis: An ex vivo study with histologic correlations. Epilepsia, 2014, 55, 2003-2016. | 5.1 | 76 |
| 65 | Epilepsy surgery in children and adolescents with malformations of cortical developmentâ€"Outcome and impact of the new ILAE classification on focal cortical dysplasia. Epilepsy Research, 2014, 108, 1652-1661. | 1.6 | 51 |
| 66 | Deep sequencing reveals increased DNA methylation in chronic rat epilepsy. Acta Neuropathologica, 2013, 126, 741-756. | 7.7 | 172 |
| 67 | Vertical perithalamic hemispherotomy: A singleâ€center experience in 40 pediatric patients with epilepsy. Epilepsia, 2013, 54, 1905-1912. | 5.1 | 51 |
| 68 | Somnolence upon Allergen Provocation in a Child with Hen's Egg Allergy. Klinische Padiatrie, 2013, 225, 232-233. | 0.6 | 1 |
| 69 | Disconnective surgery in posterior quadrantic epilepsy: experience in a consecutive series of 10 patients. Neurosurgical Focus, 2013, 34, E10. | 2.3 | 46 |
| 70 | Good interobserver and intraobserver agreement in the evaluation of the new ILAE classification of focal cortical dysplasias. Epilepsia, 2012, 53, 1341-1348. | 5.1 | 63 |
| 71 | Neuropathologic measurements in focal cortical dysplasias: validation of the ILAE 2011 classification system and diagnostic implications for MRI. Acta Neuropathologica, 2012, 123, 259-272. | 7.7 | 106 |
| 72 | Giant solid-cystic hypothalamic hamartoma. Neurosurgical Focus, 2011, 30, E7. | 2.3 | 14 |

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| 73 | Neuropathological work-up of focal cortical dysplasias using the new ILAE consensus classification system â€“ practical guideline article invited by the Euro-CNS Research Committee. , 2011, 30, 164-177. | | 51 |
| 74 | Use of the ketogenic diet in drug resistant epilepsy syndromes during early infancy: Differences between 3: 1 and 4: 1 formula, a pilot study. Neuropediatrics, 2011, 42, . | 0.6 | 0 |
| 75 | Beneficial effect of epilepsy surgery in a case of childhood non-paraneoplastic limbic encephalitis. Epilepsy Research, 2010, 90, 295-299. | 1.6 | 12 |